Medium-Mu Triode— Beam Power Tube

DUODECAR TYPE

Electrical:	
Heater Characteristics and Ratings: Voltage (AC or DC)	
Peak heater-cathode voltage (Each unit): Heater negative with respect to cathode . 200 max. volts Heater positive with respect to cathode . 200ª max. volts Direct Interelectrode Capacitances (Approx.):	
Triode Unit: G _T to P _T	
Input: G_T to (K_T, H)	
Output: P_T to (K_T, H) 0.7 pf	
Beam Power Unit:	
G1 _B to P _B 0.34 pf	
Input: $G1_B$ to $(K_B+G3_B,G2_B,H)$ 11.0 pf	
Output: P_B to $(K_B+G3_B, G2_B, H)$ 7.0 pf	
Operating Position	
Types of Cathodes	
Pin 1-Heater Pin 2-Triode Plate Pin 3-No Internal Connection Pin 4-Beam Power Plate Pin 5-Same as Pin 3 Pin 6-Beam Power Grid No.1 Pin 7-Beam Power Grid No.1 Pin 8-Beam Power Grid No.2 Pin 9-Beam Power Grid No.3 Pin 10-Triode Grid Pin 11-Triode Cathode Pin 12-Heater	
Characteristics, Class A Amplifier: Triode Beam	
Unit Power Tube Plate Voltage 150 45 120 volts Grid-No.2 Voltage - 110 110 volts Grid-No.1 Voltage -5 0 -8 volts Amplification Factor 20 - -	

Plate Resistance (Approx.)	Triode Beam Unit Power Tube 8500 - 1700 ohms 2350 - 1400 μmhos 5.5 122 46 ma - 16.5 3.5 ma -11 volts25 volts		
VERTICAL-DEFLECTION OSCILLATOR			
Triode Unit			
Maximum Ratings, Design-Maximum Vali	es:		
For operation in a 525-line,	30-frame system ^c		
DC Plate Voltage	400 max. volts		
Average	20 max. ma		
Maximum Circuit Values:	1 max. watt		
Grid-Circuit Resistance: For fixed-bias operation For cathode-bias operation	2.2 max.megohms		
VERTICAL-DEFLECTION A	– –		
Beam Power Un			
Maximum Ratings, Design-Maximum Valu			
For operation in a 525-line,			
DC Plate Voltage	2000 max. volts 200 max. volts		
Peak	70 max. ma 7 max. watts		
Grid-No.2 Input	1.8 max. watts		
Maximum Circuit Values:			
Grid-Circuit Resistance: For fixed-bias operation For cathode-bias operation	1 max. megohm 2.2 max. megohms		
 The dc component must not exceed 100 vol Without external shield. This rating is applicable where the dura not exceed 15 per cent of one vertical sign-frame system, 15 per cent of one vertical seconds. In stages operating with grid-leak bias sistor or other suitable means is required. 	ion of the voltage pulse does anning cycle. In a 525-line, l scanning cycle is 2.5 milli-		

